

SPECIFICATIONS

Description	Pharmenta Tank Outlet Valves (BTV Series)					
Nominal Size	DN15	DN20	DN25	DN40	DN50	DN80
End connection	Triclamp (Other options available on request)					
Body Material	ASTM A276/A479 316L (S31603)					
Bonnet Material	ASTM A276/A479 316L (S31603)					
Diaphragm Material	EPDM, Silicon or Viton					
Pressure Rating	10 Bar CWP150(150psi)					
Operating Temperature Range	0°C to 135°C (32°F to 275°F)					
Surface Finish	SF0-SF6					
Operating Modes	Manual and Pneumatic					
Quality and Compliance	EN 10204 3.1 Certified Materials Latest Edition of the US Pharmacopeia Class VI Certified as per Pressure Equipment Directive 97/23/EC					

Diaphragm Material	Steam	Liquid Media	
		Min	Max
EPDM	Constant 135°C (275°F)	-10°C (14°F)	90°C (194°F)

Port Connection		Kv-Value Water (m3/h)	Cv-Value (GPM)	Max. Operating Pressure
(mm)	(inch)			
15	1/2	2.8	3.3	6 Bar (87psi)
20	3/4	8.6	10.0	6 Bar (87psi)
25	1	16.16	18.0	6 Bar (87psi)
40	1 1/2	33.36	38.9	6 Bar (87psi)
50	2	111.8	130.0	6 Bar (87psi)
80	3	194.9	215.0	6 Bar (87psi)

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ABOUT PHARMENTA

Pharmenta, Inc. was founded in 2003 and is headquartered in Cincinnati, OH. Pharmenta is committed to the pursuit of quality and excellence in the development, production and manufacturing of engineered diaphragm valves and specialty equipment for sanitary processing. Pharmenta stands out for its fresh solutions to age-old industry problems. Each one of Pharmenta's product lines is the result of careful study of real industry problems and requirements, and a passion for finding an optimal solution.

COMPREHENSIVE TESTING

Pharmenta valves are rigorously tested to industry standards, including SIP thermal cycling, CIP flow testing, and verification of drainability and fluid control. Additionally, valves can be tested to custom specifications.

GLOBAL NETWORK

Pharmenta's global network of distribution, manufacturing and engineering partners ensures fast time to market, and responsiveness to your purchase and support needs.

ENGINEERING SERVICES

Pharmenta supports its customers through engineering services including modular design, flow analysis and calculations based on customer request.

DIDN'T FIND WHAT YOU NEED?

Give us a call. We love engineering challenges.

PHARMENTA TANK OUTLET VALVES FOR ASEPTIC AND OTHER CRITICAL PROCESS APPLICATIONS



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Engineered for Optimal Flow and Drainability

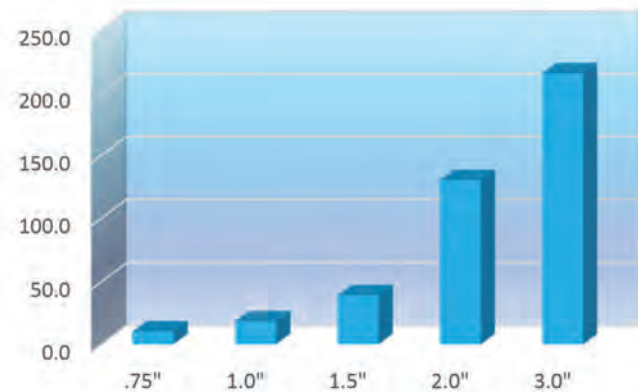
Designed to drain fast and drain completely in all applications, the Pharmenta Tank Outlet valve has a number of features that combine synergistically to deliver optimum performance, cleanability, efficiency and flexibility for aseptic and other critical processes.

Drains fast and drains completely

The patented Pharmenta Tank Outlet Valve design features a compact diaphragm anchored to the top of a pedestal that blends seamlessly with the valve floor, walls and outlet to form a smoothly flowing funnel without seams, crevices or pooling areas. The result:

- The fastest draining diaphragm tank outlet valve in the industry, with flow rates 20-40% higher.
- Material flows down and away from the diaphragm seat instead of settling on it, as is the case with other outlet valves.
- Complete, passive drainage, with no fluid hold up or pooling.
- Cleans better in less time with less CIP solution.
- Compact, state-of-the-art radial diaphragm made from FDA compliant USP Class VI materials.
- Available with optional CIP/SIP port or integrated valve.

Pharmenta Tank Outlet Valve Flow Rates (CV per GPM)



	.75"	1.0"	1.5"	2.0"	3.0"
Pharmenta	10.0	18.0	38.9	130.0	215.0



Two-Part Construction for Ease of Installation, Economy and Flexibility

The Pharmenta tank outlet valve features a two part design consisting of the valve body and a separate weld flange, which mounts flush with the inside of the tank. Advantages of the two-part design include:

- Forgiving, orientation-free installation. The valve body can rotate 360° when needed. This means that when welding the valve flange to the tank, there is no need to consider outlet orientation. In addition, the valve body can be rotated to adjust for minor piping installation misalignment.
- The valve can be transported separately from the tank, which reduces risk of damage to the valve or tank.
- Custom weld flanges conforming to internal tank profiles or requirements can be provided economically.

Compact Design

The compact design requires only a fraction clearance (10% of valve height) to change the diaphragm making the Pharmenta Tank Outlet Valve a best choice for tight spaces.



INDUSTRIES

- Biotech
- Pharmaceutical
- Food & Beverage
- Chemical

TYPICAL APPLICATIONS

- Bioreactors/Fermentors
- WFI System Storage tanks
- Formulation/Mixing Tanks
- Sterile Holding Tanks
- Buffer Tanks
- General Storage Tanks